A	oplication No.	Applicant(s)
Notice of Allowability Ex)/731,582	CONNOLLY ET AL.
	caminer	Art Unit
	ichael C. Henry	1623
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS (OF herewith (or previously mailed), a Notice of Allowance (PTOL-85) or o NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGH of the Office or upon petition by the applicant. See 37 CFR 1.313 an	R REMAINS) CLOSED in other appropriate commine TS. This application is so	n this application. If not included unication will be mailed in due course. THIS
1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-20</u> .		
3. The drawings filed on are accepted by the Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have be 2. ☐ Certified copies of the priority documents have be 3. ☐ Copies of the certified copies of the priority documents have be International Bureau (PCT Rule 17.2(a)). 	en received. en received in Applicatio	on No
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of the noted below. Failure to timely comply will result in ABANDONMEN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	T of this application.	e a reply complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be submitted INFORMAL PATENT APPLICATION (PTO-152) which gives re 	d. Note the attached EX eason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF r declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be	submitted.	
(a) ☐ including changes required by the Notice of Draftsperson'	s Patent Drawing Review	w (PTO-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Ar Paper No./Mail Date	nendment / Comment o	r in the Office action of
Identifying indicia such as the application number (see 37 CFR 1.84(each sheet. Replacement sheet(s) should be labeled as such in the h	c)) should be written on t neader according to 37 Cl	the drawings in the front (not the back) of FR 1.121(d).
 DEPOSIT OF and/or INFORMATION about the deposit of attached Examiner's comment regarding REQUIREMENT FOR a stacked Examiner REQU	of BIOLOGICAL MAT R THE DEPOSIT OF BIO	ERIAL must be submitted. Note the OLOGICAL MATERIAL.
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5. ☐ Notice of Ir	nformal Patent Application (PTO-152)
	6. Interview S	Summary (PTO-413),
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paner No.	/Mail Date
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08),		Amendment/Comment
	7. 🛭 Examiner's	

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EXAMINER'S AMENDMENT/REASONS FOR ALLOWANCE

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Brian Buckwalter (Reg # 46,585) on 9/27/04.

The application has been amended as follows:

In claim 1, line 2, the period punctuation "." has been has been deleted and the period punctuation "." has been added after the given structure (at the end of (Ia)).

In claim 2, the period punctuation "." has been added after the given table.

In claim 3, the period punctuation "." has been added after the given table.

In claim 4, the period punctuation "." has been added after the given table.

Claim 9 (amended). A method of treating a disease caused by the Hepatitis C Virus comprising administering to a patient in need thereof, a therapeutically effective amount of a compound according to claim 1.

In claim 19, line 2, the period punctuation "." has been deleted and the period punctuation "." has been added after the given structure (at the end of (I)).

The following is an examiner's statement of reasons for allowance: The examiner has found claims 1-20 to be unobvious over the prior art of record and therefore to be allowable over the prior art of record. The present invention relates to the hemisulfate salt of l-[4(S)-azido-2(S),3(R)-dihydroxy-4-(hydroxymethyl)-1(R)-cyclopentyl] cytosine, its polymorphic crystalline

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forms and their use for the treatment of disease caused by the Hepatitis C virus. The very relevant prior art documents (WO 02/100415 A2, WO 02/18404 A2, US 5,449,664) to this invention disclose nucleosides including 4'azido nucleosides. However, the hemisulfate salt of l-[4(S)-azido-2(S),3(R)-dihydroxy-4-(hydroxymethyl)-1(R)-cyclopentyl] cytosine much less its polymorphic crystalline forms are not suggested, nor are obvious to those in the prior art. In addition, the nucleosides of the prior art document (US 5,449,664) are not used as antiviral agents.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Henry whose telephone number is 571-272-0652. The examiner can normally be reached on 8:30 am to 5:00 pm; Mon-Fri. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 703 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308-1235.

MCH

September 24, 2004.

JAMES O. WILSON

SUPPRVISORY PATENT EXAMINER